

IN THE CLAIMS

Please amend the claims as follows.

1-23. (Canceled).

24. (New) For use in a wireless communications system, a mobile switching center, comprising:

a controller which, having

sent a call waiting notification to a base station serving a mobile station participating in a first call, the call waiting notification indicating that a second call is waiting to be put through to the mobile station, and

received a clear request message from the base station in response to the call waiting notification,

transmits a clearing procedure message to the base station to maintain resource allocations designated for the mobile station and alert the mobile station that the second call is waiting.

25. (New) The mobile switching center according to claim 24, wherein the clearing procedure message is a clear reject message defined to prompt maintenance of the resource allocations designated for the mobile station and transmission of an alert to the mobile station that the second call is waiting.

26. (New) The mobile switching center according to claim 24, wherein the clearing procedure message is a clear command message with a cause value defined to prompt maintenance of the resource allocations designated for the mobile station and transmission of an alert to the mobile station that the second call is waiting.

27. (New) The mobile switching center according to claim 24, wherein, after transmitting the clearing procedure message, the controller awaits a connect message indicating that the mobile station has initiated connection to the second call.

28. (New) For use in a wireless communications system, a base station serving a mobile station participating in a first call, comprising:

a controller which, having
received a call waiting notification from a mobile switching center, the call waiting notification indicating that a second call is waiting to be put through to the mobile station,
transmitted a clear request message in response to the call waiting notification, and
received a clearing procedure message from the mobile switching center in response to the clear request message,
in response to the clearing procedure message maintains resource allocations designated for the mobile station and alerts the mobile station that the second call is waiting.

29. (New) The base station according to claim 28, wherein the clearing procedure message is a clear reject message defined to prompt maintenance of the resource allocations designated for the mobile station and transmission of an alert to the mobile station that the second call is waiting.

30. (New) The base station according to claim 28, wherein the clearing procedure message is a clear command message with a cause value defined to prompt maintenance of the resource allocations designated for the mobile station and transmission of an alert to the mobile station that the second call is waiting.

31. (New) The base station according to claim 28, wherein, after alerting the mobile station of the holding call, the controller awaits a connect order from the mobile station requesting connection of the mobile station to the second call.

32. (New) A wireless communication system, comprising:
a base station serving a mobile station participating in a first call; and
a mobile switching center coupled to the base station,
wherein the mobile switching center, having
sent a call waiting notification to the base station to set up a second call to the mobile
station, and
received a clear request message from the base station in response to the call waiting
notification,
transmits a clearing procedure message to the base station to maintain resource allocations
designated for the mobile station and alert the mobile station that the second call is waiting.

33. (New) The wireless communications system according to claim 32, wherein the
clearing procedure message is a clear reject message defined to prompt maintenance of the resource
allocations designated for the mobile station and transmission of an alert to the mobile station that
the second call is waiting.

34. (New) The wireless communications system according to claim 32, wherein the
clearing procedure message is a clear command message with a cause value defined to prompt
maintenance of the resource allocations designated for the mobile station and transmission of an alert
to the mobile station that the second call is waiting.

35. (New) The wireless communications system according to claim 32, wherein a timer having a default value of 1.5 seconds is started by the clear request message and stopped by the clearing procedure message.

36. (New) The wireless communications system according to claim 32, wherein a timer having a default value of 30 seconds is started by the clearing procedure message and stopped by a connect message indicating that the mobile station has initiated connection to the second call.

37. (New) The wireless communications system according to claim 32, wherein the base station, upon receiving the clearing procedure message, transmits an alert with information message to the mobile station to alert the mobile station that the second call is waiting.

38. (New) The wireless communications system according to claim 37, wherein the base station, in transmitting the alert with information message to the mobile station, causes a ring tone to sound at the mobile station.

39. (New) The wireless communications system according to claim 37, wherein the base station, after transmitting the alert with information message to the mobile station, awaits an acknowledgment of the alert with information message from the mobile station.

40. (New) The wireless communications system according to claim 37, wherein the base station, after transmitting the alert with information message to the mobile station, awaits a connect order from the mobile station requesting connection to the second call and, upon receiving the connect order, transmits a connect message to the mobile switching center.

41. (New) A method of wireless communications, comprising:

transmitting a call waiting notification message to a base station serving a mobile station participating in an active call, the call waiting notification message sent in order to set up a second call to the mobile station;

receiving a clear request message from the base station in response to the call waiting notification; and

transmitting a clearing procedure message to the base station to maintain resource allocations designated for the mobile station and alert the mobile station that the second call is waiting.

42. (New) The method according to claim 41, wherein the step of transmitting a clearing procedure message to the base station to maintain resource allocations designated for the mobile station and alert the mobile station of the second call further comprises:

transmitting a clear reject message defined to prompt maintenance of the resource allocations designated for the mobile station and transmission of an alert to the mobile station that the second call is waiting.

43. (New) The method according to claim 41, wherein the step of transmitting a clearing procedure message to the base station to maintain resource allocations designated for the mobile station and alert the mobile station of the second call further comprises:

transmitting a clear command message with a cause value defined to prompt maintenance of the resource allocations designated for the mobile station and transmission of an alert to the mobile station that the second call is waiting.

44. (New) The method according to claim 41, further comprising:
starting a timer for the base station having a default value of 1.5 seconds in response to transmitting the clear request message;

stopping the timer for the base station in response to receiving the clearing procedure message;

starting a timer for the mobile switching center having a default value of 30 seconds in response to transmitting the clearing procedure message; and

stopping the timer for the mobile switching center in response to receiving a connect message indicating that the mobile station has initiated connection to the second call.

45. (New) The method according to claim 41, further comprising:

responsive to receiving the clearing procedure message at the base station, transmitting an alert with information message to the mobile station to alert the mobile station that the second call is waiting and to cause a ring tone to sound at the mobile station.

46. (New) The method according to claim 41, further comprising:

after transmitting the alert with information message to the mobile station, awaiting an acknowledgment of the alert with information message from the mobile station and a connect order message from the mobile station requesting connection to the second call; and

upon receiving the connect order message, transmitting a connect message to the mobile switching center.